

Protecting the Environment while Building and Operating the ILC

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The Issue:

Building and operating the ILC with no significant environmental impacts.

The Controls:

- Permits (Discharges to water, air, etc.)
- Regulations (Radiation emissions, discharge limits, prohibitions)
- Consultations (Protected species, cultural and historic resources)
- Guidance (DOE Derived Concentration Guidelines)
- Best Management Practices

The Method:

- National Environmental Policy Act
 - Describe the environment
 - Identify alternative project locations/methods
 - Analyze potential/probable impacts
 - Apply mitigation measures
 - Select optimal solution
- GIS Resources
- On-the-ground investigation
- Modeling

The Issues:

- Radiation (including waste and transportation)
- Water (surface & ground)
- Waste
- Wildlife & Habitat
- Socioeconomic impacts